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Gln	Val	Pro	Gly	Ser	Asp	Pro	Ala	Cys	Tyr
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Arg Ala Leu Val Glu Thr Ser Tyr Val Lys
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Arg Ala Arg Glu Pro Val Thr Lys
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Ser Gly Gly Pro His Ile Ser Tyr
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Ser Ile Leu Gly Asp Pro Lys Lys
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Ser Leu Pro Thr Thr Met Asn Tyr
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 Tyr Ile Phe Ala Thr Cys Leu Gly Leu Ser Tyr
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Leu Tyr Ile Leu Val Thr Cys Leu
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Ser Phe Ser Thr Thr Ile Asn Tyr Thr Leu
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Val Met Pro Lys Thr Gly Leu Leu Ile
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His Phe Val Gln Glu Asn Tyr Leu
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<400> 1892

His Met Val Lys Ile Ser Gly Gly Pro His Ile
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<210> 1893

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 Ile Met Pro Lys Ala Gly Leu Leu
 1 5

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 Ile Met Pro Lys Ala Gly Leu Leu Ile
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 Leu Met Glu Val Asp Pro Ile Gly His Leu
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<400> 1904

Asn Trp Gln Tyr Phe Phe Pro Val Ile
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Asn Trp Gln Tyr Phe Phe Pro Val Ile Phe
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Gln Tyr Phe Phe Pro Val Ile Phe
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Ser Tyr Asp Gly Leu Leu Gly Asp Asn Gln Ile
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<400> 1908
Ser Tyr Pro Pro Leu His Glu Trp
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Ser Tyr Pro Pro Leu His Glu Trp Val Leu
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Thr Phe Pro Asp Leu Glu Ser Glu Phe
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Val Phe Glu Gly Arg Glu Asp Ser Ile Leu
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<400> 1913
 Ala Leu Gly Leu Val Gly Ala Gln Ala Pro Ala Thr Glu Glu Gln
 1 5 10 15

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<400> 1914
 Cys Leu Gly Leu Ser Tyr Asp Gly Leu Leu Gly Asp Asn Gln Val
 1 5 10 15

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<400> 1915
 Asp Gly Leu Leu Gly Asp Asn Gln Val Met Pro Lys Thr Gly Leu
 1 5 10 15

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<400> 1916
 Glu Glu Lys Ile Trp Glu Glu Leu Ser Met Leu Glu Val Phe Glu
 1 5 10 15

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<400> 1917

Glu Phe Leu Trp Gly Pro Arg Ala Leu Ile Glu Thr Ser Tyr Val
1 5 10 15

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<400> 1918

Glu Lys Ile Trp Glu Glu Leu Ser Met Leu Glu Val Phe Glu Gly
1 5 10 15

<210> 1919

<211> 15

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<400> 1919

Glu Asn Tyr Leu Glu Tyr Arg Gln Val Pro Gly Ser Asp Pro Ala
1 5 10 15

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<400> 1920

Glu Pro His Ile Ser Tyr Pro Pro Leu His Glu Arg Ala Leu Arg
1 5 10 15

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<400> 1921

Glu Ser Glu Phe Gln Ala Ala Ile Ser Arg Lys Met Val Glu Leu
1 5 10 15

<210> 1922

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<400> 1922

Glu Val Thr Leu Gly Glu Val Pro Ala Ala Asp Ser Pro Ser Pro
1 5 10 15

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<400> 1923

Phe Phe Pro Val Ile Phe Ser Lys Ala Ser Glu Tyr Leu Gln Leu
1 5 10 15

<210> 1924

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<400> 1924

Phe Pro Val Ile Phe Ser Lys Ala Ser Glu Tyr Leu Gln Leu Val
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<400> 1925

Gly Glu Ala Leu Gly Leu Val Gly Ala Gln Ala Pro Ala Thr Glu
1 5 10 15

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<400> 1926

Gly Ile Glu Val Val Glu Val Val Pro Ile Ser His Leu Tyr Ile
1 5 10 15

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<400> 1927
 Gly Leu Leu Ile Ile Val Leu Ala Ile Ile Ala Ile Glu Gly Asp
 1 5 10 15

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<400> 1928
 His Phe Leu Leu Lys Tyr Arg Ala Arg Glu Pro Val Thr Lys
 1 5 10 15

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<400> 1929
 His Leu Tyr Ile Leu Val Thr Cys Leu Gly Leu Ser Tyr Asp Gly
 1 5 10 15

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<400> 1930
 Ile Glu Val Val Glu Val Val Pro Ile Ser His Leu Tyr Ile Leu
 1 5 10 15

<210> 1931
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<400> 1931

Ile	Ile	Ala	Ile	Glu	Gly	Asp	Cys	Ala	Pro	Glu	Glu	Lys	Ile	Trp
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<210> 1932

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<400> 1932

Ile	Ile	Val	Leu	Ala	Ile	Ile	Ala	Ile	Glu	Gly	Asp	Cys	Ala	Pro
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<210> 1933

<211> 15

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<400> 1933

Ile	Ser	His	Leu	Tyr	Ile	Leu	Val	Thr	Cys	Leu	Gly	Leu	Ser	Tyr
1				5					10					15

<210> 1934

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<400> 1934

Lys	Ala	Glu	Met	Leu	Glu	Ser	Val	Leu	Arg	Asn	Cys	Gln	Asp	Phe
1				5					10					15

<210> 1935

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<400> 1935

Lys	Thr	Gly	Leu	Leu	Ile	Ile	Val	Leu	Ala	Ile	Ile	Ala	Ile	Glu
1				5					10					15

<210> 1936

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<400> 1936

Leu Gly Glu Val Pro Ala Ala Asp Ser Pro Ser Pro Pro His Ser
1 5 10 15

<210> 1937

<211> 15

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<400> 1937

Leu Gly Leu Val Gly Ala Gln Ala Pro Ala Thr Glu Glu Gln Gln
1 5 10 15

<210> 1938

<211> 15

<212> PRT

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<220>

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<400> 1938

Leu Ile Ile Val Leu Ala Ile Ile Ala Ile Glu Gly Asp Cys Ala
1 5 10 15

<210> 1939

<211> 15

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<400> 1939

Leu Leu Ile Ile Val Leu Ala Ile Ile Ala Ile Glu Gly Asp Cys
1 5 10 15

<210> 1940

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<400> 1940

Leu Leu Lys Tyr Arg Ala Arg Glu Pro Val Thr Lys Ala Glu Met
1 5 10 15

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<400> 1941
 Leu Gln Leu Val Phe Gly Ile Glu Val Val Glu Val Val Pro Ile
 1 5 10 15

<210> 1942
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<400> 1942
 Leu Val Glu Val Thr Leu Gly Glu Val Pro Ala Ala Asp Ser Pro
 1 5 10 15

<210> 1943
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<400> 1943
 Met Val Glu Leu Val His Phe Leu Leu Leu Lys Tyr Arg Ala Arg
 1 5 10 15

<210> 1944
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<400> 1944
 Asn Gln Val Met Pro Lys Thr Gly Leu Leu Ile Ile Val Leu Ala
 1 5 10 15

<210> 1945
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<400> 1945

Pro Arg Lys Leu Leu Met Gln Asp Leu Val Gln Glu Asn Tyr Leu
 1 5 10 15

<210> 1946

<211> 15

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<400> 1946

Pro Arg Met Phe Pro Asp Leu Glu Ser Glu Phe Gln Ala Ala Ile
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<210> 1947

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<400> 1947

Gln Ala Ala Ile Ser Arg Lys Met Val Glu Leu Val His Phe Leu
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<210> 1948

<211> 15

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<400> 1948

Gln Asp Phe Phe Pro Val Ile Phe Ser Lys Ala Ser Glu Tyr Leu
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<210> 1949

<211> 15

<212> PRT

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<220>

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<400> 1949

Gln Asp Leu Val Gln Glu Asn Tyr Leu Glu Tyr Arg Gln Val Pro
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<210> 1950

<211> 15

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<400> 1950

Gln Leu Val Phe Gly Ile Glu Val Val Glu Val Val Pro Ile Ser
1 5 10 15

<210> 1951

<211> 15

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<400> 1951

Arg Ala Leu Ile Glu Thr Ser Tyr Val Lys Val Leu His His Thr
1 5 10 15

<210> 1952

<211> 15

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<400> 1952

Arg Glu Pro Val Thr Lys Ala Glu Met Leu Glu Ser Val Leu Arg
1 5 10 15

<210> 1953

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<400> 1953

Arg Lys Leu Leu Met Gln Asp Leu Val Gln Glu Asn Tyr Leu Glu
1 5 10 15

<210> 1954

<211> 15

<212> PRT

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<400> 1954

Ser His Leu Tyr Ile Leu Val Thr Cys Leu Gly Leu Ser Tyr Asp
1 5 10 15

<210> 1955

<211> 15
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<220>
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<400> 1955
 Ser Ser Thr Leu Val Glu Val Thr Leu Gly Glu Val Pro Ala Ala
 1 5 10 15

<210> 1956
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<400> 1956
 Thr Gly Leu Leu Ile Ile Val Leu Ala Ile Ile Ala Ile Glu Gly
 1 5 10 15

<210> 1957
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<400> 1957
 Val Glu Leu Val His Phe Leu Leu Leu Lys Tyr Arg Ala Arg Glu
 1 5 10 15

<210> 1958
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<400> 1958
 Val Glu Val Val Pro Ile Ser His Leu Tyr Ile Leu Val Thr Cys
 1 5 10 15

<210> 1959
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<400> 1959
 Val Phe Gly Ile Glu Val Val Glu Val Val Pro Ile Ser His Leu

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<400> 1960
 Val Val Pro Ile Ser His Leu Tyr Ile Leu Val Thr Cys Leu Gly
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<400> 1961
 Trp Glu Glu Leu Ser Met Leu Glu Val Phe Glu Gly Arg Glu Asp
 1 5 10 15

<210> 1962
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<400> 1962
 Tyr Glu Phe Leu Trp Gly Pro Arg Ala Leu Ile Glu Thr Ser Tyr
 1 5 10 15

<210> 1963
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<400> 1963
 Tyr Ile Leu Val Thr Cys Leu Gly Leu Ser Tyr Asp Gly Leu Leu
 1 5 10 15

<210> 1964
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<400> 1964

Tyr Pro Pro Leu His Glu Arg Ala Leu Arg Glu Gly Glu Glu
1 5 10

<210> 1965

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<400> 1965

Tyr Arg Gln Val Pro Gly Ser Asp Pro Ala Cys Tyr Glu Phe Leu
1 5 10 15

<210> 1966

<211> 15

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<400> 1966

Tyr Val Lys Val Leu His His Thr Leu Lys Ile Gly Gly Glu Pro
1 5 10 15

<210> 1967

<211> 15

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<400> 1967

Ala Glu Leu Val His Phe Leu Leu Leu Lys Tyr Arg Ala Arg Glu
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<210> 1968

<211> 15

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<400> 1968

Ala Gly Leu Leu Ile Ile Val Leu Ala Ile Ile Ala Arg Glu Gly
1 5 10 15

<210> 1969

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<400> 1969
 Ala Leu Gly Leu Val Gly Ala Gln Ala Pro Ala Thr Glu Glu Gln
 1 5 10 15

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<400> 1970
 Cys Leu Gly Leu Ser Tyr Asp Gly Leu Leu Gly Asp Asn Gln Ile
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<210> 1971
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<400> 1971
 Asp Gly Leu Leu Gly Asp Asn Gln Ile Met Pro Lys Ala Gly Leu
 1 5 10 15

<210> 1972
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<400> 1972
 Glu Glu Lys Ile Trp Glu Glu Leu Ser Val Leu Glu Val Phe Glu
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<400> 1973
 Glu Phe Leu Trp Gly Pro Arg Ala Leu Val Glu Thr Ser Tyr Val
 1 5 10 15

<210> 1974
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<400> 1974
 Glu Lys Ile Trp Glu Glu Leu Ser Val Leu Glu Val Phe Glu Gly
 1 5 10 15

<210> 1975
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<400> 1975
 Glu Asn Tyr Leu Glu Tyr Arg Gln Val Pro Gly Ser Asp Pro Ala
 1 5 10 15

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<400> 1976
 Glu Ser Glu Phe Gln Ala Ala Leu Ser Arg Lys Val Ala Glu Leu
 1 5 10 15

<210> 1977
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<400> 1977
 Glu Val Thr Leu Gly Glu Val Pro Ala Ala Glu Ser Pro Asp Pro
 1 5 10 15

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<400> 1978

Phe Phe Pro Val Ile Phe Ser Lys Ala Ser Ser Ser Leu Gln Leu
1 5 10 15

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Phe Pro Val Ile Phe Ser Lys Ala Ser Ser Ser Leu Gln Leu Val
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<400> 1980

Gly Glu Ala Leu Gly Leu Val Gly Ala Gln Ala Pro Ala Thr Glu
1 5 10 15

<210> 1981

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<400> 1981

Gly His Leu Tyr Ile Phe Ala Thr Cys Leu Gly Leu Ser Tyr Asp
1 5 10 15

<210> 1982

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<400> 1982

Gly Ile Glu Leu Met Glu Val Asp Pro Ile Gly His Leu Tyr Ile
1 5 10 15

<210> 1983

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<400> 1983

Gly Leu Leu Ile Ile Val Leu Ala Ile Ile Ala Arg Glu Gly Asp
1 5 10 15

<210> 1984

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<400> 1984

Gly Pro His Ile Ser Tyr Pro Pro Leu His Glu Trp Val Leu Arg
1 5 10 15

<210> 1985

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<400> 1985

His Phe Leu Leu Leu Lys Tyr Arg Ala Arg Glu Pro Val Thr Lys
1 5 10 15

<210> 1986

<211> 15

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<400> 1986

His Leu Tyr Ile Phe Ala Thr Cys Leu Gly Leu Ser Tyr Asp Gly
1 5 10 15

<210> 1987

<211> 15

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<400> 1987

Ile Glu Leu Met Glu Val Asp Pro Ile Gly His Leu Tyr Ile Phe
1 5 10 15

<210> 1988
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<400> 1988
 Ile Gly His Leu Tyr Ile Phe Ala Thr Cys Leu Gly Leu Ser Tyr
 1 5 10 15

<210> 1989
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<400> 1989
 Lys Ala Glu Met Leu Gly Ser Val Val Gly Asn Trp Gln Tyr Phe
 1 5 10 15

<210> 1990
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<400> 1990
 Lys Ala Gly Leu Leu Ile Ile Val Leu Ala Ile Ile Ala Arg Glu
 1 5 10 15

<210> 1991
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<400> 1991
 Lys Lys Leu Leu Thr Gln His Phe Val Gln Glu Asn Tyr Leu Glu
 1 5 10 15

<210> 1992
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<400> 1992

Leu Gly Glu Val Pro Ala Ala Glu Ser Pro Asp Pro Pro Gln Ser
1 5 10 15

<210> 1993

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<400> 1993

Leu Gly Leu Val Gly Ala Gln Ala Pro Ala Thr Glu Glu Gln Glu
1 5 10 15

<210> 1994

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<400> 1994

Leu Ile Ile Val Leu Ala Ile Ile Ala Arg Glu Gly Asp Cys Ala
1 5 10 15

<210> 1995

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Leu Leu Ile Ile Val Leu Ala Ile Ile Ala Arg Glu Gly Asp Cys
1 5 10 15

<210> 1996

<211> 15

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<400> 1996

Leu Leu Lys Tyr Arg Ala Arg Glu Pro Val Thr Lys Ala Glu Met
1 5 10 15

<210> 1997

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<223> Artificial Peptide

<400> 1997

Leu Gln Leu Val Phe Gly Ile Glu Leu Met Glu Val Asp Pro Ile
1 5 10 15

<210> 1998

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<400> 1998

Leu Val Glu Val Thr Leu Gly Glu Val Pro Ala Ala Glu Ser Pro
1 5 10 15

<210> 1999

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<400> 1999

Asn Gln Ile Met Pro Lys Ala Gly Leu Leu Ile Ile Val Leu Ala
1 5 10 15

<210> 2000

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Pro Ser Thr Phe Pro Asp Leu Glu Ser Glu Phe Gln Ala Ala Leu
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Gln Tyr Phe Phe Pro Val Ile Phe Ser Lys Ala Ser Ser Ser Leu
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<210> 2007

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Arg Ala Leu Val Glu Thr Ser Tyr Val Lys Val Leu His His Met
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<210> 2008

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<400> 2008

Arg Glu Pro Val Thr Lys Ala Glu Met Leu Gly Ser Val Val Gly
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<400> 2009

Ser Ser Thr Leu Val Glu Val Thr Leu Gly Glu Val Pro Ala Ala
 1 5 10 15

<210> 2010

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Val Ala Glu Leu Val His Phe Leu Leu Leu Lys Tyr Arg Ala Arg
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Val	Gly	Asn	Trp	Gln	Tyr	Phe	Phe	Pro	Val	Ile	Phe	Ser	Lys	Ala
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Trp	Glu	Glu	Leu	Ser	Val	Leu	Glu	Val	Phe	Glu	Gly	Arg	Glu	Asp
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Tyr	Glu	Phe	Leu	Trp	Gly	Pro	Arg	Ala	Leu	Val	Glu	Thr	Ser	Tyr
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 Tyr Pro Pro Leu His Glu Trp Val Leu Arg Glu Gly Glu Glu
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<400> 2017
 Tyr Arg Gln Val Pro Gly Ser Asp Pro Ala Cys Tyr Glu Phe Leu
 1 5 10 15

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<400> 2018
 Tyr Val Lys Val Leu His His Met Val Lys Ile Ser Gly Gly Pro
 1 5 10 15

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<400> 2019
 Cys Leu Gly Leu Ser Tyr Asp Gly Leu Leu Gly Asp Asn Gln Val
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<400> 2020
 Glu Glu Lys Ile Trp Glu Glu Leu Ser Met Leu Glu Val Phe Glu

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 Phe Pro Asp Leu Glu Ser Glu Phe Gln Ala Ala Ile Ser Arg Lys
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 <400> 2022
 Gly Pro Arg Met Phe Pro Asp Leu Glu Ser Glu Phe Gln Ala Ala
 1 5 10 15

<210> 2023
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 <400> 2023
 Ile Ile Ala Ile Glu Gly Asp Cys Ala Pro Glu Glu Lys Ile Trp
 1 5 10 15

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 <400> 2024
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Met	Gln	Asp	Leu	Val	Gln	Glu	Asn	Tyr	Leu	Glu	Tyr	Arg	Gln	Val
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Gln	Leu	Val	Phe	Gly	Ile	Glu	Val	Val	Glu	Val	Val	Pro	Ile	Ser
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Arg	Lys	Leu	Leu	Met	Gln	Asp	Leu	Val	Gln	Glu	Asn	Tyr	Leu	Glu
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<400> 2028

Tyr	Asp	Gly	Leu	Leu	Gly	Asp	Asn	Gln	Val	Met	Pro	Lys	Thr	Gly
1				5					10					15

<210> 2029

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<400> 2029

Cys	Leu	Gly	Leu	Ser	Tyr	Asp	Gly	Leu	Leu	Gly	Asp	Asn	Gln	Ile
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 Glu Glu Lys Ile Trp Glu Glu Leu Ser Val Leu Glu Val Phe Glu
 1 5 10 15

<210> 2031
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<400> 2031
 Phe Pro Asp Leu Glu Ser Glu Phe Gln Ala Ala Leu Ser Arg Lys
 1 5 10 15

<210> 2032
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<400> 2032
 Ile Glu Leu Met Glu Val Asp Pro Ile Gly His Leu Tyr Ile Phe
 1 5 10 15

<210> 2033
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<400> 2033
 Leu Ala Ile Ile Ala Arg Glu Gly Asp Cys Ala Pro Glu Glu Lys
 1 5 10 15

<210> 2034
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<400> 2034
 Gln Leu Val Phe Gly Ile Glu Leu Met Glu Val Asp Pro Ile Gly
 1 5 10 15

<210> 2035
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<400> 2035
 Thr Gln His Phe Val Gln Glu Asn Tyr Leu Glu Tyr Arg Gln Val
 1 5 10 15

<210> 2036
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<400> 2036
 Tyr Asp Gly Leu Leu Gly Asp Asn Gln Ile Met Pro Lys Ala Gly
 1 5 10 15

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<400> 2037
 Glu Phe Gln Ala Ala Ile Ser Arg Lys Met Val Glu Leu Val His
 1 5 10 15

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<400> 2038
 Met Pro Leu Glu Gln Arg Ser Gln His Cys Lys Pro
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<210> 2039
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<400> 2039

Thr Leu Lys Ile Gly Gly Glu Pro His Ile Ser Tyr Pro Pro Leu
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<210> 2040

<211> 15

<212> PRT

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<400> 2040

Val Lys Val Leu His His Thr Leu Lys Ile Gly Gly Glu Pro His
 1 5 10 15

<210> 2041

<211> 15

<212> PRT

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<400> 2041

Glu Asp Ser Ile Leu Gly Asp Pro Lys Lys Leu Leu Thr Gln His
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<210> 2042

<211> 15

<212> PRT

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<400> 2042

Glu Phe Gln Ala Ala Leu Ser Arg Lys Val Ala Glu Leu Val His
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<212> PRT

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<220>

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<400> 2043

Met Pro Leu Glu Gln Arg Ser Gln His Cys Lys Pro
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<210> 2044

<211> 9

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Leu Val Gly Ala Gln Ala Pro Ala Thr
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<210> 2045

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<400> 2045

Leu Ser Tyr Asp Gly Leu Leu Gly Asp
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<210> 2046

<211> 9

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Leu Gly Asp Asn Gln Val Met Pro Lys
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<400> 2047

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<400> 2048

Trp Gly Pro Arg Ala Leu Ile Glu Thr
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1 5

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Leu Glu Tyr Arg Gln Val Pro Gly Ser
1 5

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1 5

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Phe Gln Ala Ala Ile Ser Arg Lys Met
1 5

<210> 2053
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Leu Gly Glu Val Pro Ala Ala Asp Ser
1 5

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Ile Phe Ser Lys Ala Ser Glu Tyr Leu
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<210> 2061
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Val Glu Val Val Pro Ile Ser His Leu
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<210> 2062
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1 5

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Leu Ala Ile Ile Ala Ile Glu Gly Asp
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<210> 2064
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<400> 2064
Leu Tyr Ile Leu Val Thr Cys Leu Gly
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<210> 2065
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Met Leu Glu Ser Val Leu Arg Asn Cys
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<210> 2067
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Val Pro Ala Ala Asp Ser Pro Ser Pro
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<210> 2068
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<400> 2068
 Val Gly Ala Gln Ala Pro Ala Thr Glu
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<210> 2069
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<400> 2069
 Val Leu Ala Ile Ile Ala Ile Glu Gly
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 Ile Val Leu Ala Ile Ile Ala Ile Glu
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<400> 2071
 Tyr Arg Ala Arg Glu Pro Val Thr Lys
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<400> 2072
Val Phe Gly Ile Glu Val Val Glu Val
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<210> 2073
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<400> 2073
Val Thr Leu Gly Glu Val Pro Ala Ala
1 5

<210> 2074
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<400> 2074
Leu Val His Phe Leu Leu Leu Lys Tyr
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<210> 2075
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<400> 2075
Met Pro Lys Thr Gly Leu Leu Ile Ile
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<210> 2076
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Leu Leu Met Gln Asp Leu Val Gln Glu
1 5

<210> 2077

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<400> 2077
 Phe Pro Asp Leu Glu Ser Glu Phe Gln
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<210> 2078
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<400> 2079
 Phe Pro Val Ile Phe Ser Lys Ala Ser
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<210> 2080
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<400> 2080
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<400> 2081
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<210> 2082

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<400> 2082

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Val Thr Lys Ala Glu Met Leu Glu Ser

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<210> 2084

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<400> 2084

Leu Met Gln Asp Leu Val Gln Glu Asn

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<210> 2085

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<400> 2085

Tyr Ile Leu Val Thr Cys Leu Gly Leu

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<400> 2086

Leu Val Glu Val Thr Leu Gly Glu Val
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<210> 2087

<211> 9

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<400> 2087

Leu Ile Ile Val Leu Ala Ile Ile Ala
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<210> 2088

<211> 9

<212> PRT

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<400> 2088

Val His Phe Leu Leu Leu Lys Tyr Arg
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<210> 2089

<211> 9

<212> PRT

<213> Artificial Sequence

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<400> 2089

Val Pro Ile Ser His Leu Tyr Ile Leu
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<210> 2090

<211> 9

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<210> 2091

<211> 9

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 <400> 2091
 Ile Ser His Leu Tyr Ile Leu Val Thr
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 <210> 2092
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 Leu Ser Met Leu Glu Val Phe Glu Gly
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 Leu Trp Gly Pro Arg Ala Leu Ile Glu
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 <210> 2094
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 <400> 2095
 Leu His Glu Arg Ala Leu Arg Glu Gly
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<400> 2096
Val Pro Gly Ser Asp Pro Ala Cys Tyr
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<210> 2097
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<400> 2097
Val Leu His His Thr Leu Lys Ile Gly
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<210> 2098
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<400> 2098
Val His Phe Leu Leu Leu Lys Tyr Arg
1 5

<210> 2099
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<400> 2099
Leu Ile Ile Val Leu Ala Ile Ile Ala
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<400> 2100
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<210> 2101
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<400> 2101
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<220>
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<400> 2102
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1 5

<210> 2103
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<400> 2103
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<400> 2104
Trp Gly Pro Arg Ala Leu Val Glu Thr
1 5

<210> 2105
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<400> 2105

Trp Glu Glu Leu Ser Val Leu Glu Val
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<210> 2106

<211> 9

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<400> 2106

Leu Glu Tyr Arg Gln Val Pro Gly Ser
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<210> 2107

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<400> 2107

Phe Gln Ala Ala Leu Ser Arg Lys Val
1 5

<210> 2108

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<400> 2108

Leu Gly Glu Val Pro Ala Ala Glu Ser
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Val Ile Phe Ser Lys Ala Ser Ser Ser
1 5

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<400> 2110
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<400> 2111
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1 5

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1 5

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 Leu Leu Lys Tyr Arg Ala Arg Glu Pro
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Val Phe Gly Ile Glu Leu Met Glu Val
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1 5

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Leu Leu Gly Asp Asn Gln Ile Met Pro
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Ala Ala Ile Ser Arg Lys Met Val Glu
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Met Pro Leu Glu Gln Arg Ser Gln His
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 Ala Tyr Ile Asp Asn Tyr Asn Lys Phe
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Ala Pro Arg Thr Leu Val Tyr Leu Leu
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Phe Pro Phe Lys Tyr Ala Ala Ala Phe
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Pro Lys Tyr Val Lys Gln Asn Thr Leu Lys Leu Ala Thr
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Tyr Lys Thr Ile Ala Phe Asp Glu Glu Ala Arg Arg
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Tyr Ala Arg Phe Ser Gln Thr Thr Leu Lys Gln Lys Thr
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Tyr Ala Arg Phe Ser Gln Thr Thr Leu Lys Gln Lys Thr
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1 5 10

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 Val Thr Pro Arg Thr Pro Pro Pro
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Tyr Ala Arg Phe Gln Ser Gln Thr Thr Leu Lys Gln Lys Thr
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Gln Tyr Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile Thr Glu
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Asp Ile Glu Lys Lys Ile Ala Lys Met Glu Lys Ala Ser Ser Val Phe
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Asn Val Val Asn Ser
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<210> 2212

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Gly Ala Val Asp Ser Ile Leu Gly Gly Val Ala Thr Tyr Gly Ala Ala
1 5 10 15

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<221> VARIANT
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 tyrosine

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 Lys Leu Ala Glu Leu Val His Phe Leu
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Lys Leu Ala Glu Leu Val His Phe Val
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Lys Met Ala Glu Leu Val His Phe Val
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Lys Ile Trp Glu Glu Leu Ser Val Leu
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Ala Thr Cys Leu Gly Leu Ser Tyr

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<211> 11

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Val Val Glu Val Val Pro Ile Ser His Leu Tyr

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<211> 11

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<400> 2223

Thr Met Asn Tyr Pro Leu Trp Ser Gln Ser Tyr

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<400> 2224

Leu Met Glu Val Asp Pro Ile Gly His Leu Tyr

1 5 10

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<400> 2225

Val Thr Asp Leu Gly Leu Ser Tyr

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<210> 2226

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<400> 2226

Ser Thr Phe Ser Thr Thr Ile Asn Tyr
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<400> 2227

Met Thr Asp Leu Val Gln Glu Asn Tyr
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Ser Thr Leu Pro Thr Thr Met Asn Tyr
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Gly Thr Val Val Gly Asn Trp Gln Tyr
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Lys Val Phe Pro Tyr Ala Leu Ile Asn Lys
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1 5 10

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Gln Tyr Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile Thr Glu
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Thr Leu Val Glu Val Thr Leu Gly Glu Val
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Lys Thr Gly Leu Leu Ile Ile Val Leu Ala Ile Ile Ala Ile Glu
1 5 10 15

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Glu Pro His Ile Ser Tyr Pro Pro Leu His Glu Arg Ala Leu Arg
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Asn Trp Gln Tyr Phe Phe Pro Val Ile Phe Ser Lys Ala Ser Ser
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Pro Val Ile Phe Ser Lys Ala Ser Ser Ser Leu Gln Leu Val Phe
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Gly His Leu Tyr Ile Phe Ala Thr Cys Leu Gly Leu Ser Tyr Asp
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Asp Gly Leu Leu Gly Asp Asn Gln Ile Met Pro Lys Ala Gly Leu
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Asn Gln Ile Met Pro Lys Ala Gly Leu Leu Ile Ile Val Leu Ala
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Lys Ala Gly Leu Leu Ile Ile Val Leu Ala Ile Ile Ala Arg Glu
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Gly Ile Glu Val Val Glu Val Val Pro Ile Ser His Leu Tyr Ile
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Phe Pro Asp Leu Glu Ser Glu Phe Gln Ala Ala Ile Ser Arg Lys
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Glu Phe Gln Ala Ala Ile Ser Arg Lys Met Val Glu Leu Val His
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Gln Leu Val Phe Gly Ile Glu Val Val Glu Val Val Pro Ile Ser
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 Cys Leu Gly Leu Ser Tyr Asp Gly Leu Leu Gly Asp Asn Gln Val
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 Tyr Asp Gly Leu Leu Gly Asp Asn Gln Val Met Pro Lys Thr Gly
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 Val Lys Val Leu His His Thr Leu Lys Ile Gly Gly Glu Pro His
 1 5 10 15

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 Thr Leu Lys Ile Gly Gly Glu Pro His Ile Ser Tyr Pro Pro Leu
 1 5 10 15

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Glu Phe Gln Ala Ala Leu Ser Arg Lys Val Ala Glu Leu Val His
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Gln Leu Val Phe Gly Ile Glu Leu Met Glu Val Asp Pro Ile Gly
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Ile Glu Leu Met Glu Val Asp Pro Ile Gly His Leu Tyr Ile Phe
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Cys Leu Gly Leu Ser Tyr Asp Gly Leu Leu Gly Asp Asn Gln Ile
1 5 10 15

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 Thr Gln His Phe Val Gln Glu Asn Tyr Leu Glu Tyr Arg Gln Val
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Glu Asp Ser Ile Leu Gly Asp Pro Lys Lys Leu Leu Thr Gln His
1 5 10 15

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